

IFW
PATENT APPLICATION

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q91836

Mikio AOKI

Appln. No.: 10/559,661

Group Art Unit: Unknown

Confirmation No.: Unknown

Examiner: Unknown

Filed: December 5, 2005

For: METHOD OF NUCLEIC ACID INFUSION

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98**MAIL STOP AMENDMENT**Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

1. T. Takai et al., "DNA transfection of mouse lymphoid cells by the combination of DEAE-dextran-mediated DNA uptake and osmotic shock procedure", *Biochimica et Biophysica Acta*, Vol. 1048, No. 1, (1990), pp. 105-109 (**previously submitted on December 5, 2005**).
2. T.V. Gopal et al., "Gene Transfer Method for Transient Gene Expression, Stable Transformation, and Cotransformation of Suspension Cell Cultures", *Col. Cell Biol.*, (1985), Vol. 5, No. 5, pp. 1188-1190 (**previously submitted on December 5, 2005**).

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /J.P./

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3. C.Y. Okada et al., "Introduction of Macromolecules into Cultured Mammalian Cells by Osmotic Lysis of Pinocytic Vesicles", *Cell*, Vol. 29, No. 1, 1982, pp. 33-41 (**previously submitted on December 5, 2005**).
4. J. Gruber et al., "RNA interference by osmotic lysis of pinosomes: liposome-independent transfection of siRNAs into mammalian cells", *Biotechniques*, Vol. 37, No. 1, July 2004, pp. 96-102 (**previously submitted on December 5, 2005**).
5. R.D. Park et al., "Hypertonic Sucrose Inhibition of Endocytic Transport Suggests Multiple Early Endocytic Compartments", *J. Cell Physiol.*, Vol. 135, No. 3, 1988, pp. 443-450 (**previously submitted on December 5, 2005**).
6. P.L. Felgner et al., "Lipofection: A highly efficient, lipid-mediated DNA-transfection procedure", *Proc. Natl. Acad. Sci. USA*, Vol. 84, November 1987, pp. 7413-7417.
7. "Focus", (1999), Vol. 21, No. 3, pp. 61.
8. O. Boussif et al., "A versatile vector for gene and oligonucleotide transfer into cells in culture and in vivo: Polyethylenimine", *Proc. Natl. Acad. Sci. USA*, Vol. 92, August 1995, pp. 7297-7301.
9. Per E.G. Thoren et al., "The Antennapedia peptide penetratin translocates across lipid bilayers - the first direct observation", *FEBS Letters* 482 (2000), pp. 265-268.
10. H. Nagahara et al., "Transduction of full-length TAT fusion proteins into mammalian cells: TAT-p27^{Kip1} induces cell migration", *Nature Medicine*, Vol. 4, No. 12, December 1998, pp. 1449-1452.
11. E. Neumann et al., "Gene transfer into mouse lymphoma cells by electroporation in high electric fields", *The EMBO Journal*, Vol. 1, No.7, 1982, pp. 841-845.

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The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under §1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,


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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: March 6, 2006

Substitute for Form 1449 A & B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/559,661
		Confirmation Number	Unknown
		Filing Date	December 5, 2005
		First Named Inventor	Mikio AOKI
		Art Unit	Unknown
		Examiner Name	Unknown
Sheet	1	of	1
		Attorney Docket Number	Q91836

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ²	Number ⁴	Kind Code ² (if known)			

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
/J.P./		P.L. Felgner et al., "Lipofection: A highly efficient, lipid-mediated DNA-transfection procedure", Proc. Natl. Acad. Sci. USA, Vol. 84, November 1987, pp. 7413-7417.	
		"Focus", (1999), Vol. 21, No. 3, pp. 61.	
/J.P./		O. Boussif et al., "A versatile vector for gene and oligonucleotide transfer into cells in culture and in vivo: Polyethylenimine", Proc. Natl. Acad. Sci. USA, Vol. 92, August 1995, pp. 7297-7301.	
/J.P./		Per E.G. Thoren et al., "The Antennapedia peptide penetratin translocates across lipid bilayers - the first direct observation", FEBS Letters 482 (2000), pp. 265-268.	
/J.P./		H. Nagahara et al., "Transduction of full-length TAT fusion proteins into mammalian cells: TAT-p27 ^{Kip1} induces cell migration", Nature Medicine, Vol. 4, No. 12, December 1998, pp. 1449-1452.	
/J.P./		E. Neumann et al., "Gene transfer into mouse lymphoma cells by electroporation in high electric fields", The EMBO Journal, Vol. 1, No. 7, 1982, pp. 841-845.	

Examiner Signature	/Jennifer Pitrak/	Date Considered	03/06/2008
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST-3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document, by the three-letter code (WIPO Standard ST-3). ⁶Indicate the language of the document. If the document is in a language other than English, language Translation is attached.